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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
09/684,047	10/06/2000	Benjamin Bin Li	00-8018	3050	
32127 75	590 01/05/2004		EXAMI	EXAMINER	
VERIZON CORPORATE SERVICES GROUP INC.			BARQADLE	BARQADLE, YASIN M	
C/O CHRISTIAN R. ANDERSEN , 600 HIDDEN RIDGE DRIVE		ART UNIT	PAPER NUMBER		
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Please find below and/or attached an Office communication concerning this application or proceeding.

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		Application No.	Applicant(s)	
Office Action Summary		09/684,047	LI, BENJAMIN BIN	1
		Examiner	Art Unit	
		Yasin M Barqadle	2153	
Period f	The MAILING DATE of this communication or Reply	appears on the cover sheet with	the correspondence address	
THE - External control	MAILING DATE OF THIS COMMUNICATION AND COMMUNICATION THIS COMMUNICATION IN THE PROVISIONS OF THE PROVI	ON. FR 1.136(a). In no event, however, may a reply in. a reply within the statutory minimum of thirty (3) eriod will apply and will expire SIX (6) MONTHS statute, cause the application to become ABANI	be timely filed 0) days will be considered timely. S from the mailing date of this communication. DONED (35 U.S.C. § 133).	
1)⊠	Responsive to communication(s) filed on 3	14 October 2003.		
2a)⊠	This action is FINAL . 2b)	This action is non-final.		
3)	Since this application is in condition for all closed in accordance with the practice und			
Disposit	tion of Claims			
5)□ 6)⊠ 7)□ 8)□	Claim(s) 1-17 is/are pending in the applicated 4a) Of the above claim(s) is/are with Claim(s) is/are allowed. Claim(s) 1-17 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction action Papers	hdrawn from consideration.		
	•	minor		
	The specification is objected to by the Example The drawing(s) filed on is/are: a)		the Examiner.	
	Applicant may not request that any objection to			
	Replacement drawing sheet(s) including the co).
11)	The oath or declaration is objected to by the	ne Examiner. Note the attached C	Office Action or form PTO-152.	
Priority	under 35 U.S.C. §§ 119 and 120			
* 13)	Acknowledgment is made of a claim for for All b) Some * c) None of: 1. Certified copies of the priority docur 2. Certified copies of the priority docur 3. Copies of the certified copies of the application from the International Boundary See the attached detailed Office action for a Acknowledgment is made of a claim for dorsince a specific reference was included in the Acknowledgment is made of a claim for dorse and the Acknowledgment is made of a claim for dorse ference was included in the first sentence	ments have been received. ments have been received in App priority documents have been re ureau (PCT Rule 17.2(a)). a list of the certified copies not receive priority under 35 U.S.C. § ne first sentence of the specification e provisional application has been	lication No ceived in this National Stage ceived. 119(e) (to a provisional application or in an Application Data She n received. 120 and/or 121 since a specific	eet.
Attachmei	nt(s)			
2) Noti	ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-944 rmation Disclosure Statement(s) (PTO-1449) Paper No	8) 5) Notice of Infor	nmary (PTO-413) Paper No(s) rmal Patent Application (PTO-152)	

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Response to Arguments

1. The Response filed 10/14/03 has been entered and made of record.

2. Applicant's arguments filed 10/214/03 have been fully considered but are moot in view of the new ground(s) of rejection using same reference.

In response to applicant's arguments on pages 6-8, where the applicant argues that the user profile database is associated with a mobile cache that is separate from the wireless device as the amended claims indicate, in contrast to the presence of a user profile as part of the wireless device in Flom (page 6, last paragraph). Examiner, would like to point out the Flom teaches an intelligent cache (fig. 9, 92A) with similar functionality as the cache on device 94 that is separate from the wireless device. Portable device 92 also contains an application services 92 that automatically notifies users of a new or newly reviewed restaurant in their geographic area matching criteria previously input by the user or criteria determined by applications 92B running on server 92 based on previous search requests (profile) made by that user (page 1, paragraphs 006-0009; page 5, paragraphs 0048-0053 and page 6, 0057-0062).

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In response to applicant's argument on page 8 that "there is no disclosure of profile generator", Examiner disagrees,

Flom teaches a method for generating content packages including customized computer applications and data that integrate personal information, data, and application objects and delivering the generated content packages to the portable electronic devices (page 2, paragraph 0012-0013) and particularly, when user requests relevant content packages that are not present on server 92, server 92 can request content manufacturing system 90 to prepare relevant content packages. In response, content manufacturing system 90 will prepare the requested content packages and forward them to server 92 where they can be streamed down to portable device 94 (page 2, paragraph 0012-0013 and page 6, paragraphs 0058-0059)

In response to applicant's argument on page 8, paragraph 1 that Flom `does not teach the dynamic nature of the invention''.

Examiner disagrees as pointed out in the previous section Flom teaches preparing relevant content packages for users when requested relevant content packages are not present on server 92 (cache 92A), and forwarding them automatically to requesting user (page 2, paragraph 0012-0013 and page 6, paragraphs 0058-0059).

In response to applicant's arguments on page 9, ``no where in either reference is there the teaching of using output preference data to extract data segments from the selected data, and

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reducing network traffic'' Examiner disagrees and would like to point out that claim 9 rejection is based on combinations of references. [See Flom paragraphs 0006-0010 and 0034 and Mahanti page 3, paragraphs 0041-0043]. As for reducing network traffic, it is the purpose of caching entities such as the cache 92A on portable server 92 to cache contents from manufacturing entities (origin servers) in order to reduce network traffic so that subsequent user requests have access to the updated cache without needing to fetch data from origin server (see Flom page 1, paragraphs 0006-0009, page 4, paragraphs 0035-0038).

- 3. Claims 1-17 are presented for examination.
- 4. Claims 1,5 and 11 have been amended.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

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5. Claims 1-5 and 11-13 are rejected under 35 U.S.C. 102(e) as being anticipated by Flom et al US. Pub. (20010054087).

As per claim 1, Flom et al teach a system for caching data from an origin server (content manufacturing system 90, Fig. 9), comprising [abstract]:

Wireless device [fig. 9, 94];

a wireless network [page 3, paragraphs 0033];

a mobile cache [fig. 9, 92A] that is separated from the wireless device by means of the wireless network (fig. 9, page 3, paragraphs 0031-0033), the mobile cache including

a user profile database (Fig. 1, source object 10 includes profile data) that stores at least one user profile containing output preference data with respect to at least one of output content and output layout [page 1, paragraphs 006-0009; page 5, paragraphs 0048-0053 and page 6, 0057-0062],

an object database for storing selected data from the origin server [page 2, paragraphs 0010 and page 3, paragraphs 0031-0032], and

a dynamic information composer coupled to the object database and the user profile database [page 2,paragraphs 009-0013 and page 6, paragraphs 0058-0064]; and

wherein the dynamic information composer dynamically composes user-specific information as personalized, user-specific output based on data in the object database and the user profile [page 1, paragraphs 0007-0009 and paragraphs 00067]

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while simultaneously reducing network traffic [manufacturing contents are route via portable internet server 92 which contains intelligent cache 92A, so that subsequent user requests have access to the updated cache without needing to fetch data from origin server, therefore reducing network traffic page 1, paragraphs 0006-0009, page 4, paragraphs 0035-0038].

As per claim 2, Flom et al teach system of claim 1, further comprising a user profile generator coupled with the user profile database to generate a new user profile [If the user requests require content not available in the portable device cache or on the at least one Internet server, relevant content package is created page 2, paragraphs 0009-0013 and page 6, paragraphs 0058-0064].

As per claim 3, Flom et al teach system of claim 1, wherein the dynamic information composer composes the user-specific information in WML [page 2, paragraphs 0009-0013 and page 6, paragraphs 0058-0064].

As per claim 4, Flom et al teach system of claim 3, wherein the dynamic information composer composes the user-specific information in real time [page 3, paragraphs 0031 and page 6, paragraphs 0058-0064].

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As per claim 5, Flom et al teach system of claim 1, further comprising a change trigger coupled to the user profile database and included as part of mobile cache, the object database, and the dynamic information composer, wherein the change trigger monitors changes in the object database and triggers output delivery when a number of information changes in the object database reaches a predetermined threshold [page 3, paragraph 0031; pages 4 & 5, paragraphs 0043-0044 and 0053-0059].

As per claim 11, Flom et al teach a method for caching data from an origin server (system 90, fig 9) for delivery to a wireless device (fig. 9, 94) by way of a wireless network (page 3, paragraphs 0031-0033), comprising the steps of:

establishing a user profile (page 5, paragraphs 0048-0053) separate from the wireless device by way of the wireless network (fig. 9), wherein the user profile contains output preference data with respect to at least of output content and output layout (pages 1-2, paragraphs 0006-0010 and paragraph 0013 and page3, paragraph 0034);

obtaining an information request[page 1, paragraphs 008-009 and page 3, paragraphs 0032-0034];;

storing selected data from the origin server in an object database [page 1, paragraphs 008-010 and page 3, paragraphs 0032-0034];

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fetching requested information from the object database if the object database contains the requested information [page 1, paragraphs 008-0013 and pages 3-4, paragraphs 0032-0038];

fetching and caching information from the origin server into the object database as the selected data if the object database does not contain the requested information [page 1, paragraphs 008-0011 and pages 3-4, paragraphs 0032-0038]; and

dynamically composing user-specific information and output based on the requested information (page 1, paragraphs 007-013) from the fetching steps and input from the user profile for transmission to the wireless device [pages 3-4, paragraphs 0031-0038 and page 6, paragraphs 0058-0059]

As per claim 12, Flom et al teach method of claim 11, further comprising the step of delivering the user-specific information to a wireless device after the composing step [page 1, paragraphs 008-0013 and page 6, paragraphs 0058-0059].

As per claim 13, Flom et al teach method of claim 12, further comprising the steps of:

monitoring a number of information changes in the object database [pages 4 & 5, paragraphs 0043-0044 and 0053-0059]; and

triggering the delivery step once the number of information changes in the object database reach a predetermined threshold [pages 4 & 5, paragraphs 0043-0044 and 0053-0059].

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Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in s ection 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 6. Claims 6-10 and 14-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Flom et al US. Pub. (20010054087) in view of Mahanti et al US. Pub. (20020052824).

As per claims 6 and 14, although Flom et al shows substantial features of the claimed invention as explained in claims 1 and 11 above, he does not explicitly show converting an image format of the selected data from the origin server, wherein the object database caches the selected data in the object database after image format conversion.

Nonetheless, this feature is well known in the art and would have been an obvious modification of the system disclosed by Flom et al, as evidenced by Mahanti et al US. Pub. (20020052824).

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In analogous art, Mahanti et al whose invention is about a system for performing automated negotiation processing in electronic trading system for users in terms of their different profile information, disclose a system that converts (translates) an image format (HTML) of selected data from web server and stores a copy in a data cache server [page 3, paragraphs 0043].

Giving the teaching of Mahanti et al, a person of ordinary skill in the art would have readily recognized the desirability and the advantage of modifying Flom et al by employing the system of Mahanti et al in order to accommodate a wide variety of display devices that have highly variable display capabilities and to achieve formatting that is appropriate for different devices.

As per claim 7 and 16, Mahanti et al teach the invention, further comprising a document converter coupled to the object database for extracting data segments of the selected data from the origin server [page 3, paragraphs 0041-0043].

As per the limitation in claim 7, based on the output preference data, wherein to the dynamic information composer composes the user-specific information based on the data segments, see the rejection on claim 1 above.

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As per claim 8, Mahanti et al teach the invention, wherein the document converter converts an HTML file into an XML file and stores the XML file in the object database, and wherein the dynamic information composer composes the user-specific information based on an XML-based content tag in the XML file [Note XML tag is an inherent feature of XML, page 3, paragraphs 0041-0043].

As per claim 9, see the rejection on claim 7, above.

As per claim 10 and 17, Mahanti et al as modified teach the invention, wherein the document converter converts an HTML file into an XML file and stores the XML file in the object database, and wherein the dynamic information composer composes the user-specific information based on an XML-based content tag in the XML file [Note XML tag is an inherent feature of XML, page 3, paragraphs 0041-0043].

As per claim 15, the claim includes similar limitations as claims 6 and 14. See the rejection made on claim 6 and 14 above.

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Conclusion

7. **ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

The prior made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yasin Barqadle whose telephone number is 703-305-5971. The examiner can normally be reached on 9:00 AM to 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glenn Burgess can be reached on 703-305-9717. The fax phone numbers for the

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organization where this application or proceeding is assigned are 703-872-9306 for regular communications and 703-746-7238 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

Yasin Barqadle

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